

CLAIMS

1 1. A multi-function wireless communications device
2 comprising:
3 a control circuit;
4 an input device connected to the control circuit;
5 a display device connected to the control circuit;
6 a remote control circuit connected to the control circuit; and
7 a telecommunications circuit connected to the control circuit.

1 2. The multi-appliance remote control of Claim 1 wherein
2 the remote control circuit further comprises:
3 a remote control high frequency transmitter circuit connected to
4 the control circuit and connectable to an appliance control circuit by a high
5 frequency communication link; and
6 a remote control high frequency receiver circuit connected to the
7 control circuit and connectable to the appliance control circuit by the high
8 frequency communication link; and
9 a remote control high frequency signal processor connected to
10 the remote control transmitter circuit, remote control receiver circuit and the
11 control circuit.

1 3. The multi-appliance remote control of Claim 1 wherein
2 the telecommunications circuit further comprises:
3 a radio transmitter circuit connected to the control circuit and
4 connectable to a telecommunications system by a radio signal;
5 a radio receiver circuit connected to the control circuit and
6 connectable to the telecommunications system by the radio signal; and
7 a radio signal processor circuit connected to the radio
8 transmitter circuit, the radio receiver circuit and the control circuit.

1 4. The multi-appliance remote control of Claim 1 wherein
2 the input device further comprises a keypad.

1 5. The multi-appliance remote control of Claim 1 wherein
2 the display further comprises an LCD display.

1 6. The multi-appliance remote control of Claim 1 wherein
2 the control circuit further comprises a switch for switching operation of the
3 multi-function wireless communications device between the remote control
4 circuit and the telecommunications circuit.

1 7. A multi-function wireless communications device
2 comprising:
3 a control circuit including;
4 a processing device; and
5 a storage medium connected to the processing device;
6 a remote control circuit connected to the control circuit including;
7 a remote control transmitter circuit connected to the control
8 circuit and connectable to an appliance control circuit by a high
9 frequency communication link;
10 a remote control receiver circuit connected to the control circuit
11 and connectable to an appliance control circuit by a high frequency
12 communication link; and
13 a remote control high frequency signal processor connected to
14 the remote control transmitter circuit, the remote control receiver
15 circuit and the control circuit; and
16 a telecommunications circuit connected to the control circuit
17 including;
18 a radio transmitter circuit connected to the control circuit and
19 connectable to a telecommunications system by a radio signal;

20 a radio receiver circuit connected to the control circuit and
21 connectable to the telecommunications system by a radio signal;
22 and
23 a radio signal processor circuit connected to the radio
24 transmitter circuit, the radio receiver circuit and the control circuit.

1 8. The multi-appliance remote control of Claim 7 wherein
2 the input device further comprises a keypad.

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1 9. The multi-appliance remote control of Claim 7 wherein
2 the display further comprises an LCD display.

1 10. The multi-appliance remote control of Claim 6 wherein
2 the control circuit further comprises a switch circuit for switching operation of
3 the multi-function wireless communications device between the remote control
4 circuit and the telecommunications circuit.